

QUARTERLY REPORT: 3r^d QTR FY 2003 (Jan-Mar '03)

Contract/Project Manager: Gary P. Gauthier

EA: 65-680821

Title of Project

DEVELOPMENT OF A NEW GUARDRAIL END TREATMENT

FHWA POOLED FUND STUDY SPR 003(043)

Describe last quarter's task/deliverables.

A preliminary analysis of concept J shows that the nested steel channels will sustain lateral vehicle impacts. This analysis did not involve finite elements, just conventional mechanics. However, the exposed edges of the nested channels could cause snagging on a vehicles impacting from the opposing attenuation direction.

The concept feasibility study of the attenuation mechanism, (impact slider compressing longitudinal rubber fenders in the concrete base), using DYNA finite element analysis was not begun as planned.

Describe next quarter's task/deliverables and their due date.

The attenuation mechanism will be studied and a lateral restraint system will be determined. An alternative to the nested channel concept will be proposed to eliminate the snagging concern.

Hopefully a viable concept will be established by the end of the FY.

Are you on time with your schedule? ☒ YES Are you within budget? ☒ YES Are you on scope? ☒ YES
If no, please explain below. ☐ NO If no, please explain below. ☐ NO If no, please explain below. ☐ NO

Ending date has been revised to Dec 2004.

Percentage of work completed. 20%

What is your expenditure projection for FY 2003?

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
			\$10,000